

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 2001140729
PUBLICATION DATE : 22-05-01

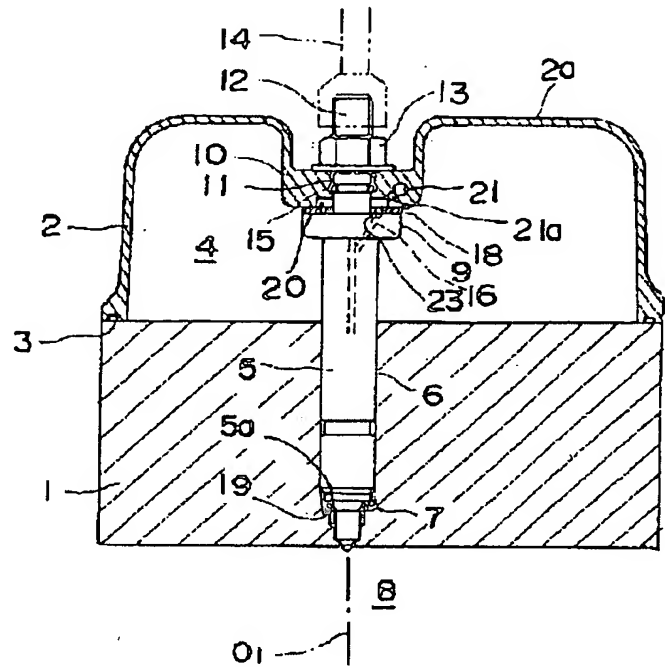
APPLICATION DATE : 17-11-99
APPLICATION NUMBER : 11326777

APPLICANT : YANMAR DIESEL ENGINE CO LTD;

INVENTOR : MICHIGAMI EIJI;

INT.CL. : F02M 61/14 F02B 67/00 F02F 1/24
F02M 55/02 F02M 61/16

TITLE : FUEL INJECTION VALVE MOUNTING
STRUCTURE OF ENGINE



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the number of mounting part items of a fuel injection valve and simplify structure by effectively utilizing a head cover.

SOLUTION: In an engine in which the fuel injection valve 5 is mounted in a cylinder head 1, a pressing part 10 which is brought into contact with the outward flange 9 of the fuel injection valve 5 so as to press the fuel injection valve 5 against a cylinder head side is integrally formed on the head cover 2 attached to the upper surface of the cylinder head 1. Preferably, a fuel return passage 21 communicated with the fuel return opening 16 of the fuel injection valve 5 is formed within the wall thickness of the pressing part 10. The fuel injection valve 5 can be fixed without using a special fuel injection valve mounting member, and a fuel returning piping in a valve arm chamber 4 can be eliminated.

COPYRIGHT: (C)2001,JPO